

- [54] **INTERPENETRATING POLYMERIC NETWORKS**
- [75] Inventors: **Harry L. Frisch**, 132 Mosher Rd., Delmar, N.Y. 12054; **Kurt C. Frisch**, 17986 Parke La., Grosse Ile, Mich. 48138; **Daniel Klempner**, 29340 Dequindre Rd., Apt. 204, Warren, Mich. 48221
- [73] Assignees: **Harry L. Frisch**, Delmar, N.Y.; **Kurt C. Frisch**, Grosse Ile; **Daniel Klempner**, Warren, both of Mich.
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- [58] Field of Search ..... 260/824, 859 R, 830 P, 260/858; 525/28, 31, 100, 107, 127, 128, 129, 130, 438, 454, 459, 903

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Primary Examiner—Wilbert J. Briggs, Sr.  
 Attorney, Agent, or Firm—Gordon W. Hueschen

[57] **ABSTRACT**

Synthetic resins having a topologically interpenetrating polymeric network comprise macrocyclic structures of chemically different, crosslinking polymers which are permanently entangled with each other. The several macrocyclic structures that are present are characterized by the absence of chemical bonds between the individual networks.

21 Claims, 3 Drawing Figures

